

CLAIMS

What is claimed is:

- 1 1. A remote generator fuel monitoring system, comprising:
2 graphical user interface logic operable to provide a user with a
3 plurality of periodically updated data points associated with a fuel monitor coupled to
4 an AC plant; and
5 connection logic coupled to the graphical user interface logic, operable
6 to connect to a monitoring server and receive the plurality of periodically updated
7 data points associated with the fuel monitor, the monitoring server being coupled to a
8 plurality of fuel monitors via a network.

- 1 2. The system of claim 1, further comprising:
2 a data gathering unit operable to receive a fuel level signal from the
3 fuel monitor.

- 1 3. The system of claim 2, wherein the server is operable to query the data
2 gathering unit, and provide the connection logic with the fuel monitor signal.

- 1 4. The system of claim 1, wherein the graphical user interface is further
2 operable to provide a user with a plurality of periodically updated data points
3 associated with an AC plant.

- 1 5. The system of claim 4, further comprising:
2 testing logic operable to receive feedback from the user and simulate a
3 commercial power failure at a site associated with the AC plant.

1 6. The system of claim 5, further comprising:

2 a house service panel coupled to a commercial power source, the AC
3 plant, and a DC plant, the house service panel being operable to sense a commercial
4 power failure, turn on the AC plant, and power at least one rectifier associated with
5 the DC plant using an output from the AC plant.

1 7. The system of claim 1, wherein the graphical user interface is further
2 operable to provide a user with a plurality of periodically updated data points
3 associated with a DC plant.

1 8. The system of claim 1, further comprising:

2 storage logic operable to store a plurality of acceptable data points
3 associated with the fuel monitor, and report the acceptable data points to the user via
4 the graphical user interface; and

5 alarm logic operable to notify a user via the graphical user interface
6 logic responsive to the plurality of periodically updated data points associated with
7 the fuel monitor being outside the plurality of acceptable data points.

1 9. The system of claim 8, wherein the alarm logic is operable to signal a
2 minor alarm responsive to a portion of the periodically updated information being
3 outside an initial acceptable data point, and operable to signal a major alarm
4 responsive to a portion of the periodically updated information being outside a final
5 acceptable data point.

1 10. A remote generator fuel monitoring system, comprising:
2 monitoring logic operable monitor at least one fuel monitor associated
3 with at least on AC plant and receive a plurality of data signals associated with said at
4 least one fuel monitor;
5 storage logic operable to store at least one boundary parameter
6 associated with said at least one fuel monitor; and
7 communication logic operable to receive the plurality of data signals
8 and said at least one boundary parameter and provide the plurality of data signals and
9 said at least one boundary parameter to a remote computer.

1 11. The system of claim 10, wherein the monitoring logic is further
2 operable to monitor at least one AC plant, and receive a plurality of data signals
3 associated with said at least on AC plant.

1 12. The system of claim 11, wherein the storage logic is further operable to
2 store at least one boundary parameter associated with said at least one AC plant.

1 13. The system of claim 12, further comprising:
2 alarm logic operable to notify at least one remote computer associated
3 with the system responsive to any of the plurality of data signals associated with said
4 at least one AC plant being outside said at least one boundary parameter associated
5 with said at least one AC plant.

1 14. The system of claim 10, further comprising:

2 alarm logic operable to notify at least one remote computer associated
3 with the system responsive to any of the plurality of data signals associated with said
4 at least one fuel monitor being outside said at least one boundary parameter associated
5 with said at least one fuel monitor.

1 15. The system of claim 10, wherein the communication logic is operable

2 to periodically request a plurality of updated data signals from the fuel monitor.

1 16. The system of claim 10, wherein the monitoring logic is further

2 operable to monitor at least one DC plant, and receive a plurality of data signals
3 associated with said at least one DC plant.

1 17. The system of claim 16, wherein the storage logic is further operable to

2 store at least one boundary parameter associated with said at least one DC plant.

1 18. The system of claim 17, further comprising:

2 alarm logic operable to notify at least one remote computer associated
3 with the system responsive to any of the plurality of data signals associated with said
4 at least one DC plant being outside said at least one boundary parameter associated
5 with said at least one DC plant.

1 19. A method for remotely monitoring a fuel monitor, comprising the steps
2 of:
3 requesting a plurality of data signals associated with the fuel monitor
4 coupled to an AC plant;
5 receiving the plurality of data signals associated with the fuel monitor;
6 and
7 providing the plurality of data signals associated with the fuel monitor
8 to a remote computer for display to a user.

1 20. The method of claim 19, further comprising:
2 comparing each of the plurality of data signals associated with the fuel
3 monitor to a corresponding plurality of boundary parameters associated with the fuel
4 monitor; and
5 notifying the remote computer responsive to any of the plurality of
6 data signals associated with the fuel monitor being outside the corresponding
7 boundary parameter.

1 21. The method of claim 19, further comprising:
2 requesting a plurality of data signals associated with the AC plant;
3 receiving the plurality of data signals associated with the AC plant; and
4 providing the plurality of data signals associated with the AC plant to a
5 remote computer for display to a user.

1 22. The method of claim 21, further comprising:

2 comparing each of the plurality of data signals associated with the AC
3 plant to a corresponding plurality of boundary parameters associated with the AC
4 plant; and

5 notifying the remote computer responsive to any of the plurality of
6 data signals associated with the AC plant being outside the corresponding boundary
7 parameter.

1 23. The method of claim 19, further comprising:

2 requesting a plurality of data signals associated with an DC plant;

3 receiving the plurality of data signals associated with the DC plant; and

4 providing the plurality of data signals associated with the DC plant to a
5 remote computer for display to a user.

1 24. The method of claim 23, further comprising:

2 comparing each of the plurality of data signals associated with the DC
3 plant to a corresponding plurality of boundary parameters associated with the DC
4 plant; and

5 notifying the remote computer responsive to any of the plurality of
6 data signals associated with the DC plant being outside the corresponding boundary
7 parameter.

1 25. The method of claim 19, further comprising:
2 displaying the plurality of data signals associated with the fuel monitor
3 on the remote computer.

1 26. The method of claim 19, further comprising:
2 updating the plurality of data signals associated with the fuel monitor.

1 27. A computer readable medium having a program for remotely
2 monitoring a fuel monitor, the program comprising the steps of:
3 requesting a plurality of data signals associated with the fuel monitor
4 coupled to an AC plant;
5 receiving the plurality of data signals associated with the fuel monitor;
6 and
7 providing the plurality of data signals associated with the fuel monitor
8 to a remote computer for display to a user.

1 28. The program of claim 27, further comprising:
2 comparing each of the plurality of data signals associated with the fuel
3 monitor to a corresponding plurality of boundary parameters associated with the fuel
4 monitor; and
5 notifying the remote computer responsive to any of the plurality of
6 data signals associated with the fuel monitor being outside the corresponding
7 boundary parameter.

1 29. The program of claim 27, further comprising:
2 requesting a plurality of data signals associated with the AC plant;
3 receiving the plurality of data signals associated with the AC plant; and
4 providing the plurality of data signals associated with the AC plant to a
5 remote computer for display to a user.

1 30. The program of claim 29, further comprising:

2 comparing each of the plurality of data signals associated with the AC
3 plant to a corresponding plurality of boundary parameters associated with the AC
4 plant; and

5 notifying the remote computer responsive to any of the plurality of
6 data signals associated with the AC plant being outside the corresponding boundary
7 parameter.

1 31. The program of claim 27, further comprising:

2 requesting a plurality of data signals associated with an DC plant;

3 receiving the plurality of data signals associated with the DC plant; and

4 providing the plurality of data signals associated with the DC plant to a
5 remote computer for display to a user.

1 32. The program of claim 31, further comprising:

2 comparing each of the plurality of data signals associated with the DC
3 plant to a corresponding plurality of boundary parameters associated with the DC
4 plant; and

5 notifying the remote computer responsive to any of the plurality of
6 data signals associated with the DC plant being outside the corresponding boundary
7 parameter.

1 33. The program of claim 27, further comprising:

2 displaying the plurality of data signals associated with the fuel monitor
3 on the remote computer.

- 1 34. The program of claim 27, further comprising:
2 updating the plurality of data signals associated with the fuel monitor.